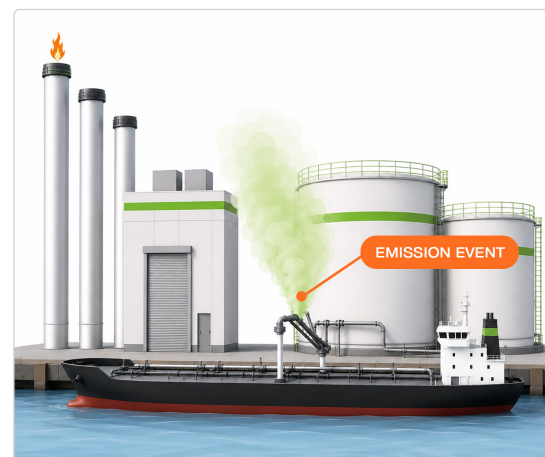
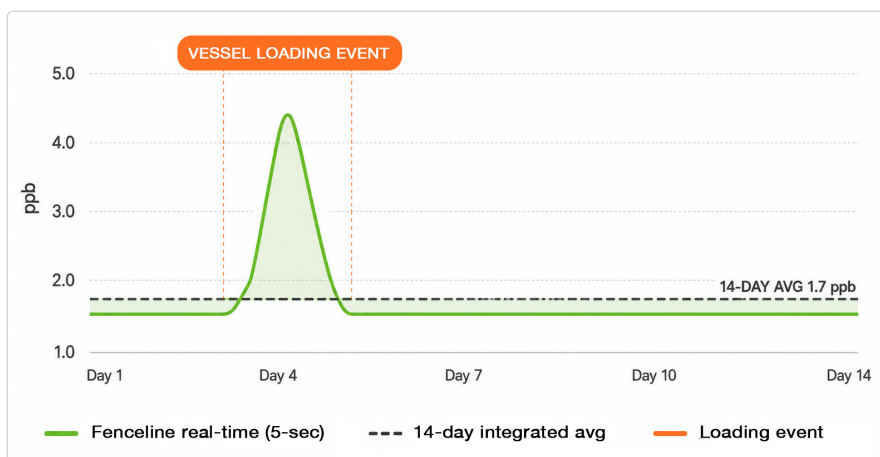


Stop Chasing Averages. Target The Events That Drive Your Risk.

Most of your emissions mass, and most of your operational, regulatory, and reputational risk, comes from a small number of high-impact, transient events: startups, shutdowns, malfunctions, pressure relief flaring. Traditional passive sampling never sees them, because their magnitude gets obscured by 14-day averages. The Picarro Fenceline System does — in real time, and attributes them to source, so you can solve the problem before it becomes a costly violation.

Vessel Loading Event — Real Concentration vs. 14-day Average



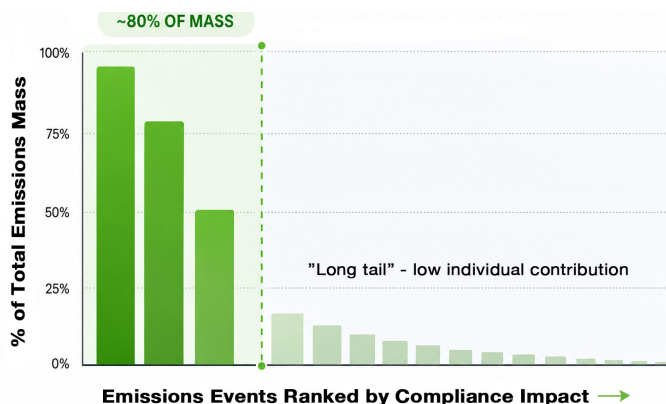
Emissions Follow a Power Law

In any honest emissions inventory, a small number of high-impact events dominate total mass while routine operations contribute very little. The distribution is lumpy. The risk is episodic.

The same statistical lesson EPA recognized when launching its Methane Super-Emitter Program applies to VOCs, HAPs, and air toxics — you can run a disciplined LDAR program and still be exposed by a single unobserved spike that defines the period's ledger.

The shift: Managing emissions is no longer about measuring averages to "do" compliance — it's about identifying and resolving the specific events that create real risk. The Picarro Fenceline System is built for that reality.

Event Contribution to Total Emissions Mass



Each bar represents one emissions event recorded over a typical quarter, ranked by magnitude. Three events account for ~80% of total reportable mass — every event in the gray tail contributes less than the third-largest event alone.

REGULATORY

HON, Refinery MACT, and CMAS all raise the bar on event-resolved monitoring and root-cause defensibility. **Continuous data is the practical baseline.**

Three Layers. One Workflow.

Providing Operational Resilience.

Picarro Fenceline unifies real-time perimeter detection, automated source attribution, and on-the-ground confirmation into a single operational system.

1 Detect

Continuous sub-ppb perimeter monitoring captures transient events the moment they occur — no 14-day blind window.

2 Attribute

Automated plume back-trajectory moves you from fenceline signal to source location — on-site or off, down to the specific zone or equipment — in minutes.

3 Resolve

Once attributed, the investigation workflow guides your team from finding to fix — automatically building an audit-ready record as you go.

The Picarro Fenceline Architecture

DETECTION Fenceline Unit



Outdoor-hardened, cloud-connected monitors form an intelligent perimeter network. One scalable unit measures all six HON-regulated compounds—no extra vendors required.

- Sub-ppb detection sensitivity
- 5-second continuous measurements
- Integrated meteorological data
- 700+ compound detection library

INTELLIGENCE Picarro Link



A secure cloud platform that turns continuous data into ranked events, attribution, and a defensible investigation record.

- Real-time event detection & alerting
- Automated plume back-trajectory
- Risk-tiered event prioritization
- Automated CEDRI / HON reporting
- Full audit trail & user assignment

CONFIRMATION AMLD Unit



Fenceline technology mounted on a vehicle that enables operators to confirm emissions sources down to the equipment level — same day.

- Equipment-level source confirmation
- GPS-tagged concentration mapping
- Same-day root-cause identification
- On-site vs. off-site validation
- Feeds the Picarro Link record

The ROI: Operational Resilience & Lower Total Cost

65%

Est. Emissions Reductions

Measure site-wide after deployment

40%

Est. Operational Savings

Resources directed to high-impact events

Same Day

Root-Cause Analysis

Hours instead of weeks

Zero

Litigation Exposure

Community complaints resolved with evidence